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- (54) **ON DEMAND APPAREL MANUFACTURING** 5,975,743 A * 11/1999 Bercaits B26D 5/00
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See application file for complete search history.

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(57) **ABSTRACT**

Aspects of on demand apparel manufacturing are described. A system of on demand apparel manufacturing includes a textile printer, textile cutter, and a computing device. The computing device is configured to perform a process including aggregating orders for products, organizing the orders according to a productivity factor, and arranging panels for products in the orders into an aggregated textile panel template. Arranging the panels can include aligning the panels among each other to reduce scrap in a textile sheet or orienting the panels with a thread, weave, nap, or knit pattern in the textile sheet, for example. The process can further include instructing the textile printer to print a plurality of panels for the products on the textile sheet based on the aggregated textile panel template, and instructing the textile cutter to cut the plurality of panels out from the textile sheet.

20 Claims, 13 Drawing Sheets

